

APPARATUS AND METHOD TO CONTROL ACCESS TO LOGICAL VOLUMES USING PARALLEL ACCESS VOLUMES

Abstract

A method to control access to logical volumes disposed in an information storage
5 and retrieval system using parallel access volumes. The method provides an information
storage and retrieval system comprising a plurality of logical volumes, and a plurality of
host computers, where each host computers is capable of communicating with the
information storage and retrieval system. The method creates a parallel access volume
having an alias, and persistently associates that parallel access volume with an original
10 base logical volume, where the original base logical volume may be assigned to one of
(N) logical volume groups. If the original base logical volume is assigned to the (i)th
logical volume group, the method permits each host computers assigned to the (i)th host
computer group to access the original base logical volume, or the current base logical
volume, associated with the parallel access volume.